Yasushi Okazaki

List of Publications by Year
in descending order

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252 papers	20,869 citations	25034 57 h-index	11308 136 g-index
307 all docs	307 docs citations	307 times ranked	29178 citing authors

#	Article	IF	Citations
1	Initial sequencing and comparative analysis of the mouse genome. Nature, 2002, 420, 520-562.	27.8	6,319
2	A promoter-level mammalian expression atlas. Nature, 2014, 507, 462-470.	27.8	1,838
3	Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs. Nature, 2002, 420, 563-573.	27.8	1,548
4	Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells. Science, 2015, 347, 1010-1014.	12.6	517
5	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. Nature Genetics, 2009, 41, 553-562.	21.4	408
6	High-Efficiency Full-Length cDNA Cloning by Biotinylated CAP Trapper. Genomics, 1996, 37, 327-336.	2.9	297
7	Integrative Annotation of 21,037 Human Genes Validated by Full-Length cDNA Clones. PLoS Biology, 2004, 2, e162.	5.6	290
8	miR-125b inhibits osteoblastic differentiation by down-regulation of cell proliferation. Biochemical and Biophysical Research Communications, 2008, 368, 267-272.	2.1	273
9	Normalization and Subtraction of Cap-Trapper-Selected cDNAs to Prepare Full-Length cDNA Libraries for Rapid Discovery of New Genes. Genome Research, 2000, 10, 1617-1630.	5.5	263
10	A Comprehensive Genomic Analysis Reveals the Genetic Landscape of Mitochondrial Respiratory Chain Complex Deficiencies. PLoS Genetics, 2016, 12, e1005679.	3.5	236
11	Î¼1B, a novel adaptor medium chain expressed in polarized epithelial cells1. FEBS Letters, 1999, 449, 215-220.	2.8	234
12	Single-cell transcriptomics reveals expansion of cytotoxic CD4 T cells in supercentenarians. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24242-24251.	7.1	215
13	Identification of Grf1 on mouse chromosome 9 as an imprinted gene by RLGSâ€“M. Nature Genetics, 1996, 14, 106-109.	21.4	212
14	miRâ€210 promotes osteoblastic differentiation through inhibition of AcvR1b. FEBS Letters, 2009, 583, 2263-2268.	2.8	201
15	FANTOM5 CAGE profiles of human and mouse samples. Scientific Data, 2017, 4, 170112.	5.3	195
16	Constitutively Activated ALK2 and Increased SMAD1/5 Cooperatively Induce Bone Morphogenetic Protein Signaling in Fibrodysplasia Ossificans Progressiva. Journal of Biological Chemistry, 2009, 284, 7149-7156.	3.4	184
17	The Mouse Zic Gene Family. Journal of Biological Chemistry, 1996, 271, 1043-1047.	3.4	178
18	Restriction landmark genomic scanning method and its various applications. Electrophoresis, 1993, 14, 251-258.	2.4	156

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19	Targeting a Complex Transcriptome: The Construction of the Mouse Full-Length cDNA Encyclopedia. Genome Research, 2003, 13, 1273-1289.	5.5	154
20	A novel preadipocyte cell line established from mouse adult mature adipocytes. Biochemical and Biophysical Research Communications, 2004, 321, 967-974.	2.1	151
21	Asb4, Ata3, and Dcn Are Novel Imprinted Genes Identified by High-Throughput Screening Using RIKEN cDNA Microarray. Biochemical and Biophysical Research Communications, 2002, 290, 1499-1505.	2.1	126
22	Differential gene expression profiles of radioresistant oesophageal cancer cell lines established by continuous fractionated irradiation. British Journal of Cancer, 2004, 91, 1543-1550.	6.4	123
23	Mutations in GTPBP3 Cause a Mitochondrial Translation Defect Associated with Hypertrophic Cardiomyopathy, Lactic Acidosis, and Encephalopathy. American Journal of Human Genetics, 2014, 95, 708-720.	6.2	123
24	Attenuation of increased regional myocardial oxygen consumption during exercise as a major cause of warm-up phenomenon. Journal of the American College of Cardiology, 1993, 21, 1597-1604.	2.8	120
25	Cell Surface Expression of Calnexin, a Molecular Chaperone in the Endoplasmic Reticulum. Journal of Biological Chemistry, 2000, 275, 35751-35758.	3.4	120
26	Genetic control of the innate immune response. BMC Immunology, 2003, 4, 5.	2.2	119
27	Metabolic and chemical regulation of tRNA modification associated with taurine deficiency and human disease. Nucleic Acids Research, 2018, 46, 1565-1583.	14.5	110
28	Functional annotation of human long noncoding RNAs via molecular phenotyping. Genome Research, 2020, 30, 1060-1072.	5.5	109
29	ATAD3 gene cluster deletions cause cerebellar dysfunction associated with altered mitochondrial DNA and cholesterol metabolism. Brain, 2017, 140, 1595-1610.	7.6	105
30	Protein-Protein Interaction Panel Using Mouse Full-Length cDNAs. Genome Research, 2001, 11, 1758-1765.	5.5	100
31	Discovery of Imprinted Transcripts in the Mouse Transcriptome Using Large-Scale Expression Profiling. Genome Research, 2003, 13, 1402-1409.	5.5	96
32	Novel peroxisomal protease Tysnd1 processes PTS1- and PTS2-containing enzymes involved in Î²-oxidation of fatty acids. EMBO Journal, 2007, 26, 835-845.	7.8	94
33	Deficiency of <scp>ECHS</scp>1 causes mitochondrial encephalopathy with cardiac involvement. Annals of Clinical and Translational Neurology, 2015, 2, 492-509.	3.7	90
34	COQ4 Mutations Cause a Broad Spectrum of Mitochondrial Disorders Associated with CoQ10 Deficiency. American Journal of Human Genetics, 2015, 96, 309-317.	6.2	86
35	Clinical implementation of RNA sequencing for Mendelian disease diagnostics. Genome Medicine, 2022, 14, 38.	8.2	85
36	Molecular Analysis of Gene Expression in the Developing Pontocerebellar Projection System. Neuron, 2002, 36, 417-434.	8.1	84

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37	Association of UGT2B7 and ABCB1 genotypes with morphine-induced adverse drug reactions in Japanese patients with cancer. Cancer Chemotherapy and Pharmacology, 2010, 65, 251-258.	2.3	83
38	Î± 1 -Adrenoceptor Activation Increases Ecto-5â€²-Nucleotidase Activity and Adenosine Release in Rat Cardiomyocytes by Activating Protein Kinase C. Circulation, 1995, 91, 2226-2234.	1.6	83
39	A Genome-Wide Association Study for Diabetic Retinopathy in a Japanese Population: Potential Association with a Long Intergenic Non-Coding RNA. PLoS ONE, 2014, 9, e111715.	2.5	81
40	Clinical validity of biochemical and molecular analysis in diagnosing Leigh syndrome: a study of 106 Japanese patients. Journal of Inherited Metabolic Disease, 2017, 40, 685-693.	3.6	78
41	Differential gene expression profiles of gastric cancer cells established from primary tumour and malignant ascites. British Journal of Cancer, 2002, 87, 1153-1161.	6.4	76
42	Mitochondrial Disease Sequence Data Resource (MSeqDR): A global grass-roots consortium to facilitate deposition, curation, annotation, and integrated analysis of genomic data for the mitochondrial disease clinical and research communities. Molecular Genetics and Metabolism, 2015, 114, 388-396.	1.1	76
43	The Mouse Secretome: Functional Classification of the Proteins Secreted Into the Extracellular Environment. Genome Research, 2003, 13, 1350-1359.	5.5	73
44	B Cell Chemoattractant CXCL13 Is Preferentially Expressed by Human Th17 Cell Clones. Journal of Immunology, 2008, 181, 186-189.	0.8	73
45	Biallelic IARS Mutations Cause Growth Retardation with Prenatal Onset, Intellectual Disability, Muscular Hypotonia, and Infantile Hepatopathy. American Journal of Human Genetics, 2016, 99, 414-422.	6.2	73
46	Gene discovery in genetically labeled single dopaminergic neurons of the retina. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5069-5074.	7.1	70
47	Dual Roles of Smad Proteins in the Conversion from Myoblasts to Osteoblastic Cells by Bone Morphogenetic Proteins. Journal of Biological Chemistry, 2010, 285, 15577-15586.	3.4	70
48	Systematic Expression Profiling of the Mouse Transcriptome Using RIKEN cDNA Microarrays. Genome Research, 2003, 13, 1318-1323.	5.5	69
49	CDS Annotation in Full-Length cDNA Sequence. Genome Research, 2003, 13, 1478-1487.	5.5	69
50	A unique mutation of ALK2, G356D, found in a patient with fibrodysplasia ossificans progressiva is a moderately activated BMP type I receptor. Biochemical and Biophysical Research Communications, 2008, 377, 905-909.	2.1	69
51	Loss of MAX results in meiotic entry in mouse embryonic and germline stem cells. Nature Communications, 2016, 7, 11056.	12.8	68
52	Id4, a New Candidate Gene for Senile Osteoporosis, Acts as a Molecular Switch Promoting Osteoblast Differentiation. PLoS Genetics, 2010, 6, e1001019.	3.5	67
53	Identification and characterization of Zic4, a new member of the mouse Zic gene family. Gene, 1996, 172, 291-294.	2.2	66
54	Methylation and Downregulated Expression of mac25/Insulin-like Growth Factor Binding Protein-7 Is Associated with Liver Tumorigenesis in SV40T/t Antigen Transgenic Mice, Screened by Restriction Landmark Genomic Scanning for Methylation (RLGS-M). Biochemical and Biophysical Research Communications, 2000, 267, 109-117.	2.1	66

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55	Mutations in TOP3A Cause a Bloom Syndrome-like Disorder. American Journal of Human Genetics, 2018, 103, 221-231.	6.2	65
56	Indefinite Self-Renewal of ESCs through Myc/Max Transcriptional Complex-Independent Mechanisms. Cell Stem Cell, 2011, 9, 37-49.	11.1	64
57	A Novel acyl-CoA Thioesterase Enhances Its Enzymatic Activity by Direct Binding with HIV Nef. Biochemical and Biophysical Research Communications, 1997, 238, 234-239.	2.1	63
58	Estrogen-related receptor Î± modulates the expression of adipogenesis-related genes during adipocyte differentiation. Biochemical and Biophysical Research Communications, 2007, 358, 813-818.	2.1	63
59	Mechanism of liver regeneration after partial hepatectomy using mouse cDNA microarray. Journal of Hepatology, 2004, 40, 464-471.	3.7	59
60	Homozygosity Haplotype Allows a Genomewide Search for the Autosomal Segments Shared among Patients. American Journal of Human Genetics, 2007, 80, 1090-1102.	6.2	59
61	Preprocessing implementation for microarray (PRIM): an efficient method for processing cDNA microarray data. Physiological Genomics, 2001, 4, 183-188.	2.3	58
62	Intra-mitochondrial Methylation Deficiency Due to Mutations in SLC25A26. American Journal of Human Genetics, 2015, 97, 761-768.	6.2	58
63	Biallelic C1QBP Mutations Cause Severe Neonatal-, Childhood-, or Later-Onset Cardiomyopathy Associated with Combined Respiratory-Chain Deficiencies. American Journal of Human Genetics, 2017, 101, 525-538.	6.2	58
64	FANTOM DB: database of Functional Annotation of RIKEN Mouse cDNA Clones. Nucleic Acids Research, 2002, 30, 116-118.	14.5	55
65	Association of the HTRA1 gene variant with age-related macular degeneration in the Japanese population. Journal of Human Genetics, 2007, 52, 636-641.	2.3	55
66	Multiple tissue-specific promoters control expression of the murine tartrate-resistant acid phosphatase gene. Gene, 2003, 307, 111-123.	2.2	54
67	Complement Factor H and High-Temperature Requirement A-1 Genotypes and Treatment Response of Age-related Macular Degeneration. Ophthalmology, 2011, 118, 93-100.	5.2	53
68	Identification of novel PPARÎ³ target genes by integrated analysis of ChIP-on-chip and microarray expression data during adipocyte differentiation. Biochemical and Biophysical Research Communications, 2008, 372, 362-366.	2.1	52
69	An expanded system of restriction landmark genomic scanning (RLGS Ver. 1.8). Electrophoresis, 1995, 16, 197-202.	2.4	51
70	Mechanism of postoperative liver failure after excessive hepatectomy investigated using a cDNA microarray. Journal of Hepato-Biliary-Pancreatic Surgery, 2002, 9, 352-359.	2.0	51
71	Overexpression of dopa decarboxylase in peritoneal dissemination of gastric cancer and its potential as a novel marker for the detection of peritoneal micrometastases with real-time RTâ€“PCR. British Journal of Cancer, 2004, 90, 665-671.	6.4	50
72	Lamr1 functional retroposon causes right ventricular dysplasia in mice. Nature Genetics, 2004, 36, 123-130.	21.4	48

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73	Characterization of Gene Expression in Mouse Blastocyst Using Single-Pass Sequencing of 3995 Clones. Genomics, 1998, 49, 167-179.	2.9	47
74	Molecular Basis of Constitutive Production of Basement Membrane Components. Journal of Biological Chemistry, 2003, 278, 50691-50701.	3.4	47
75	Identification of novel steroid target genes through the combination of bioinformatics and functional analysis of hormone response elements. Biochemical and Biophysical Research Communications, 2006, 339, 99-106.	2.1	47
76	A novel mutation of ALK2, L196P, found in the most benign case of fibrodysplasia ossificans progressiva activates BMP-specific intracellular signaling equivalent to a typical mutation, R206H. Biochemical and Biophysical Research Communications, 2011, 407, 213-218.	2.1	47
77	MT-ND5 Mutation Exhibits Highly Variable Neurological Manifestations at Low Mutant Load. EBioMedicine, 2018, 30, 86-93.	6.1	47
78	Novel homeodomainâ€interacting protein kinase family member, HIPK4, phosphorylates human p53 at serine 9. FEBS Letters, 2007, 581, 5649-5657.	2.8	46
79	Mitochondrial ribosomal protein PTCD3 mutations cause oxidative phosphorylation defects with Leigh syndrome. Neurogenetics, 2019, 20, 9-25.	1.4	46
80	Possible involvement of inositol 1,4,5-trisphosphate receptor type 3 (IP3R3) in the peritoneal dissemination of gastric cancers. Anticancer Research, 2003, 23, 3691-7.	1.1	46
81	Detection of genes with tissue-specific expression patterns using Akaikeâ€™s information criterion procedure. Physiological Genomics, 2003, 12, 251-259.	2.3	45
82	Concise prediction models of anticancer efficacy of 8 drugs using expression data from 12 selected genes. International Journal of Cancer, 2004, 111, 617-626.	5.1	45
83	A genetic linkage map of the Syrian hamster and localization of cardiomyopathy locus on chromosome 9qa2.1â€“b1 using RLGS spotâ€“mapping. Nature Genetics, 1996, 13, 87-90.	21.4	44
84	Analysis of gene expression involved in brain metastasis from breast cancer using cDNA microarray. Breast Cancer, 2002, 9, 26-32.	2.9	44
85	Analysis of gene expression in the developing mouse retina. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5491-5496.	7.1	44
86	Recent topics: the diagnosis, molecular genesis, and treatment of mitochondrial diseases. Journal of Human Genetics, 2019, 64, 113-125.	2.3	44
87	Curdlan Induces DC-Mediated Th17 Polarization via Jagged1 Activation in Human Dendritic Cells. Allergology International, 2010, 59, 161-166.	3.3	43
88	Continued Discovery of Transcriptional Units Expressed in Cells of the Mouse Mononuclear Phagocyte Lineage. Genome Research, 2003, 13, 1360-1365.	5.5	41
89	Prevalence of Lynch syndrome and Lynch-like syndrome among patients with colorectal cancer in a Japanese hospital-based population. Japanese Journal of Clinical Oncology, 2017, 47, 108-117.	1.3	40
90	Loss of miR-542-3p enhances IGFBP-1 expression in decidualizing human endometrial stromal cells. Scientific Reports, 2017, 7, 40001.	3.3	38

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91	Rewiring of the Human Mitochondrial Interactome during Neuronal Reprogramming Reveals Regulators of the Respirasome and Neurogenesis. IScience, 2019, 19, 1114-1132.	4.1	38
92	READ: RIKEN Expression Array Database. Nucleic Acids Research, 2002, 30, 211-213.	14.5	37
93	Fluctuating liver functions in siblings with MPV17 mutations and possible improvement associated with dietary and pharmaceutical treatments targeting respiratory chain complex II. Molecular Genetics and Metabolism, 2009, 97, 292-296.	1.1	37
94	Isolation of a novel mouse gene, mSVS-1/SUSD2, reversing tumorigenic phenotypes of cancer cells in vitro. Cancer Science, 2007, 98, 900-908.	3.9	35
95	Cardiomyopathy in children with mitochondrial disease: Prognosis and genetic background. International Journal of Cardiology, 2019, 279, 115-121.	1.7	35
96	Development and Evaluation of an Automated Annotation Pipeline and cDNA Annotation System. Genome Research, 2003, 13, 1542-1551.	5.5	34
97	Development of a rapid culture method to induce adipocyte differentiation of human bone marrow-derived mesenchymal stem cells. Biochemical and Biophysical Research Communications, 2010, 394, 303-308.	2.1	34
98	Fatal Perinatal Mitochondrial Cardiac Failure Caused by Recurrent De Novo Duplications in the ATAD3 Locus. Med, 2021, 2, 49-73.e10.	4.4	33
99	Tysnd1 Deficiency in Mice Interferes with the Peroxisomal Localization of PTS2 Enzymes, Causing Lipid Metabolic Abnormalities and Male Infertility. PLoS Genetics, 2013, 9, e1003286.	3.5	32
100	<scp>DNM1L</scp>â€related encephalopathy in infancy with Leigh syndromeâ€like phenotype and suppressionâ€burst. Clinical Genetics, 2016, 90, 472-474.	2.0	32
101	Mortality of Japanese patients with Leigh syndrome: Effects of age at onset and genetic diagnosis. Journal of Inherited Metabolic Disease, 2020, 43, 819-826.	3.6	32
102	Analysis of the Mouse Transcriptome for Genes Involved in the Function of the Nervous System. Genome Research, 2003, 13, 1395-1401.	5.5	30
103	Differential Requirement for Nucleostemin in Embryonic Stem Cell and Neural Stem Cell Viability. Stem Cells, 2009, 27, 1066-1076.	3.2	30
104	MicroRNA-135b suppresses extravillous trophoblast-derived HTR-8/SVneo cell invasion by directly down regulating CXCL12 underÂlow oxygen conditions. Biochemical and Biophysical Research Communications, 2015, 461, 421-426.	2.1	30
105	Simple and rapid preparation of plasmid template by a filtration method using microtiter filter plates. Nucleic Acids Research, 1997, 25, 1315-1316.	14.5	29
106	Exome sequencing of senescence-accelerated mice (SAM) reveals deleterious mutations in degenerative disease-causing genes. BMC Genomics, 2013, 14, 248.	2.8	29
107	Clinical and molecular basis of hepatocerebral mitochondrial DNA depletion syndrome in Japan: evaluation of outcomes after liver transplantation. Orphanet Journal of Rare Diseases, 2020, 15, 169.	2.7	29
108	Fam57b (Family with Sequence Similarity 57, Member B), a Novel Peroxisome Proliferator-activated Receptor Î³ Target Gene That Regulates Adipogenesis through Ceramide Synthesis. Journal of Biological Chemistry, 2013, 288, 4522-4537.	3.4	28

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109	Automated Filtration-Based High-Throughput Plasmid Preparation System. Genome Research, 1999, 9, 463-470.	5.5	28
110	Comprehensive Analysis of the Mouse Metabolome Based on the Transcriptome. Genome Research, 2003, 13, 1345-1349.	5.5	27
111	Spatial patterns of gene expression in the olfactory bulb. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12718-12723.	7.1	26
112	Genome wide analysis of TNF-inducible genes reveals that antioxidant enzymes are induced by TNF and responsible for elimination of ROS. Molecular Immunology, 2004, 41, 547-551.	2.2	26
113	Clinical Significance of Large Tenascinâ€C Spliced Variant as a Potential Biomarker for Colorectal Cancer. World Journal of Surgery, 2007, 31, 388-394.	1.6	26
114	Netrinâ€4 derived from murine vascular endothelial cells inhibits osteoclast differentiation in vitro and prevents bone loss in vivo. FEBS Letters, 2014, 588, 2262-2269.	2.8	26
115	Clinico-molecular study of dedifferentiation in well-differentiated liposarcoma. Biochemical and Biophysical Research Communications, 2004, 314, 1133-1140.	2.1	25
116	Identification and functional analysis of consensus androgen response elements in human prostate cancer cells. Biochemical and Biophysical Research Communications, 2004, 325, 1312-1317.	2.1	25
117	A spot cloning method for restriction landmark genomic scanning. Electrophoresis, 1995, 16, 203-209.	2.4	23
118	Rapidly progressive infantile cardiomyopathy with mitochondrial respiratory chain complex V deficiency due to loss of ATPase 6 and 8 protein. International Journal of Cardiology, 2016, 207, 203-205.	1.7	23
119	Genetic mapping of restriction landmark genomic scanning loci in the mouse. Electrophoresis, 1995, 16, 233-240.	2.4	22
120	Inferring Alternative Splicing Patterns in Mouse from a Full-Length cDNA Library and Microarray Data. Genome Research, 2002, 12, 1286-1293.	5.5	21
121	Exploration of Novel Motifs Derived from Mouse cDNA Sequences. Genome Research, 2002, 12, 367-378.	5.5	21
122	Combined Overexpression of JARID2, PRDM14, ESRRB, and SALL4A Dramatically Improves Efficiency and Kinetics of Reprogramming to Induced Pluripotent Stem Cells. Stem Cells, 2016, 34, 322-333.	3.2	21
123	Rapid detection of germline mutations for hereditary gastrointestinal polyposis/cancers using HaloPlex target enrichment and high-throughput sequencing technologies. Familial Cancer, 2016, 15, 553-562.	1.9	21
124	First report of an Asian family with gastric adenocarcinoma and proximal polyposis of the stomach (GAPPS) revealed with the germline mutation of the APC exon 1B promoter region. Gastric Cancer, 2018, 21, 1058-1063.	5.3	21
125	Esophageal bronchogenic cyst successfully excised by endoscopic mucosal resection. Gastrointestinal Endoscopy, 2002, 56, 141-145.	1.0	20
126	The Paired-box Homeodomain Transcription Factor Pax6 Binds to the Upstream Region of the TRAP Gene Promoter and Suppresses Receptor Activator of NF-Î¹B Ligand (RANKL)-induced Osteoclast Differentiation. Journal of Biological Chemistry, 2013, 288, 31299-31312.	3.4	20

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127	A simple method for sequencing the whole human mitochondrial genome directly from samples and its application to genetic testing. Scientific Reports, 2019, 9, 17411.	3.3	20
128	A single gel analysis of 575 dominant and codominant restriction landmark genomic scanning loci in mice interspecific backcross progeny. Electrophoresis, 1995, 16, 253-260.	2.4	19
129	New MTâ€ND6 and NDUFA1 mutations in mitochondrial respiratory chain disorders. Annals of Clinical and Translational Neurology, 2014, 1, 361-369.	3.7	19
130	Donepezil prevents RANK-induced bone loss via inhibition of osteoclast differentiation by downregulating acetylcholinesterase. Heliyon, 2015, 1, e00013.	3.2	19
131	Effects of 5-aminolevulinic acid and sodium ferrous citrate on fibroblasts from individuals with mitochondrial diseases. Scientific Reports, 2019, 9, 10549.	3.3	19
132	Identification of stable RNA hairpins causing band compression in transcriptional sequencing and their elimination by use of inosine triphosphate. Gene, 1998, 222, 17-24.	2.2	18
133	Identification of a novel left-right asymmetrically expressed gene in the mouse belonging to the BPI/PLUNC superfamily. Developmental Dynamics, 2004, 229, 373-379.	1.8	18
134	Sirt1, p53, and p38 ^{MAPK} Are Crucial Regulators of Detrimental Phenotypes of Embryonic Stem Cells with Max Expression Ablation. Stem Cells, 2012, 30, 1634-1644.	3.2	18
135	Murine osteoclasts secrete serine protease HtrA1 capable of degrading osteoprotegerin in the bone microenvironment. Communications Biology, 2019, 2, 86.	4.4	18
136	Prevalence of Lynch syndrome among patients with upper urinary tract carcinoma in a Japanese hospital-based population. Japanese Journal of Clinical Oncology, 2020, 50, 80-88.	1.3	18
137	A homozygous variant in <scp>NDUFA8</scp> is associated with developmental delay, microcephaly, and epilepsy due to mitochondrial complex I deficiency. Clinical Genetics, 2020, 98, 155-165.	2.0	18
138	Metastatic malignant meningioma of the liver with hypoglycemia: Report of a case. Surgery Today, 1998, 28, 953-958.	1.5	17
139	EICO (Expression-based Imprint Candidate Organizer): finding disease-related imprinted genes. Nucleic Acids Research, 2004, 32, 548D-551.	14.5	17
140	Genetic profile of the SMXA recombinant inbred mouse strains revealed with restriction landmark genomic scanning. Mammalian Genome, 1998, 9, 695-709.	2.2	16
141	Gene expression profile analysis of regenerating liver after portal vein ligation in rats by a cDNA microarray system. Liver International, 2004, 24, 253-258.	3.9	16
142	Human Arm protein lost in epithelial cancers, on chromosome X 1 (ALEX1) gene is transcriptionally regulated by CREB and Wnt/Î²â€catenin signaling. Cancer Science, 2010, 101, 1361-1366.	3.9	16
143	<scp><scp>ALEX1</scp></scp> suppresses colony formation ability of human colorectal carcinoma cell lines. Cancer Science, 2012, 103, 1267-1271.	3.9	16
144	An inhibitor of fibroblast growth factor receptor-1 (FGFR1) promotes late-stage terminal differentiation from NGN3+ pancreatic endocrine progenitors. Scientific Reports, 2016, 6, 35908.	3.3	16

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145	Recognition Sites of 3â€²-OH Group by T7 RNA Polymerase and Its Application to Transcriptional Sequencing. Journal of Biological Chemistry, 1998, 273, 14242-14246.	3.4	15
146	Pharmacologic Preconditioning Effects: Prostaglandin E Induces Heat-Shock Proteins Immediately After Ischemia/Reperfusion of the Mouse Liver. Journal of Gastrointestinal Surgery, 2005, 9, 758-768.	1.7	15
147	Predicted mouse peroxisome-targeted proteins and their actual subcellular locations. BMC Bioinformatics, 2008, 9, S16.	2.6	15
148	Molecular diagnosis of mitochondrial respiratory chain disorders in <scp>J</scp>apan: Focusing on mitochondrial <scp>DNA</scp> depletion syndrome. Pediatrics International, 2014, 56, 180-187.	0.5	15
149	Leigh syndrome with spinal cord involvement due to a hemizygous NDUFA1 mutation. Brain and Development, 2018, 40, 498-502.	1.1	15
150	Molecular cloning, genetic mapping, and expression of the mouse Sf3b1 (SAP155) gene for the U2 snRNP component of spliceosome. Mammalian Genome, 2001, 12, 192-198.	2.2	14
151	Liver X receptor ligands inhibit the lipopolysaccharide-induced expression of microsomal prostaglandin E synthase-1 and diminish prostaglandin E2 production in murine peritoneal macrophages. Journal of Steroid Biochemistry and Molecular Biology, 2007, 103, 44-50.	2.5	14
152	Barth Syndrome: Different Approaches to Diagnosis. Journal of Pediatrics, 2018, 193, 256-260.	1.8	14
153	Long-term prognosis and genetic background of cardiomyopathy in 223 pediatric mitochondrial disease patients. International Journal of Cardiology, 2021, 341, 48-55.	1.7	14
154	Identification of genes regulating colorectal carcinogenesis by using the algorithm for diagnosing malignant state method. Biochemical and Biophysical Research Communications, 2002, 296, 497-506.	2.1	13
155	4-Hydroxydocosahexaenoic acid, a potent peroxisome proliferator-activated receptor Î³ agonist alleviates the symptoms of DSS-induced colitis. Biochemical and Biophysical Research Communications, 2008, 367, 566-572.	2.1	13
156	Myocerebrohepatopathy spectrum disorder due to POLG mutations: A clinicopathological report. Brain and Development, 2015, 37, 719-724.	1.1	13
157	Functional Compensation Between Myc and PI3K Signaling Supports Self-Renewal of Embryonic Stem Cells. Stem Cells, 2015, 33, 713-725.	3.2	13
158	Immunohistochemical staining patterns of p53 predict the mutational status of TP53 in oral epithelial dysplasia. Modern Pathology, 2022, 35, 177-185.	5.5	13
159	An automatic image analysis system for RLGS films. Mammalian Genome, 1998, 9, 643-651.	2.2	12
160	Current progress in the prediction of chemosensitivity for breast cancer. Breast Cancer, 2004, 11, 42-48.	2.9	12
161	The study of metabolic pathways in tumors based on the transcriptome. Seminars in Cancer Biology, 2005, 15, 290-299.	9.6	12
162	von Willebrand factor type D domain mutant of SVS-1/SUSD2, vWDm, induces apoptosis in HeLa cells. Cancer Science, 2007, 98, 909-915.	3.9	12

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163	A novel homozygous variant in MICOS13/QIL1 causes hepatoâ€encephalopathy with mitochondrial DNA depletion syndrome. Molecular Genetics & Genomic Medicine, 2020, 8, e1427.	1.2	12
164	Combination of L-3-phosphoserine phosphatase and CEA using real-time RT-PCR improves accuracy in detection of peritoneal micrometastasis of gastric cancer. Anticancer Research, 2004, 24, 1113-20.	1.1	12
165	A Guide to the Mammalian Genome. Genome Research, 2003, 13, 1267-1272.	5.5	11
166	Gene Expression During Liver Regeneration After Partial Hepatectomy in Mice Lacking Type 1 Tumor Necrosis Factor Receptor. Journal of Surgical Research, 2009, 152, 178-188.	1.6	11
167	HDR: a statistical two-step approach successfully identifies disease genes in autosomal recessive families. Journal of Human Genetics, 2016, 61, 959-963.	2.3	11
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